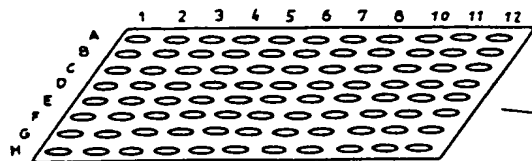
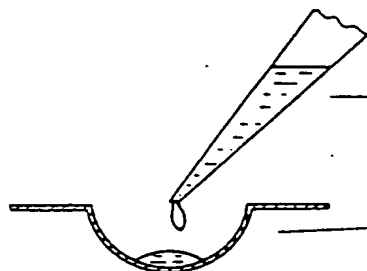


-1/12-

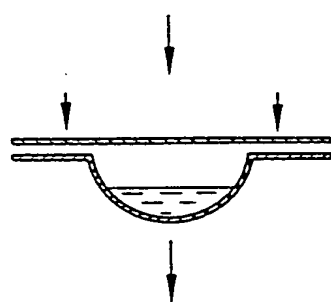
FIG. 1



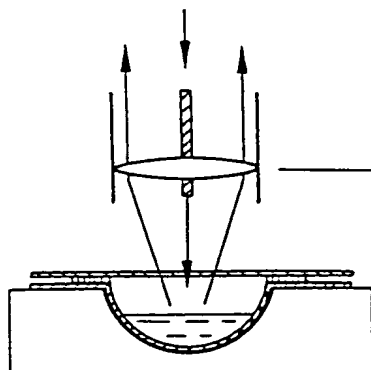
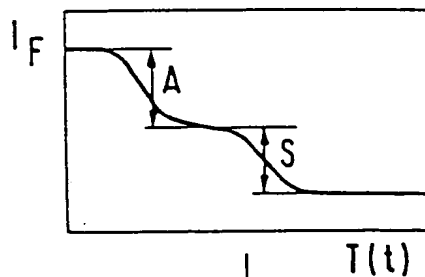
BASE SHEET

SAMPLE, CA. 50 μ lLYOPHILIZED
AMPLIFICATION
REAGENTS

- ENZYMES
- BUFFER
- PRIMER
- STANDARD COPIES
- LABELED PROBE



SEALING

CONTROLLABLE
THERMOBLOCKON-LINE LASER
DETECTION SYSTEMTIME-RESOLVED
FLUORESCENCE INTENSITY

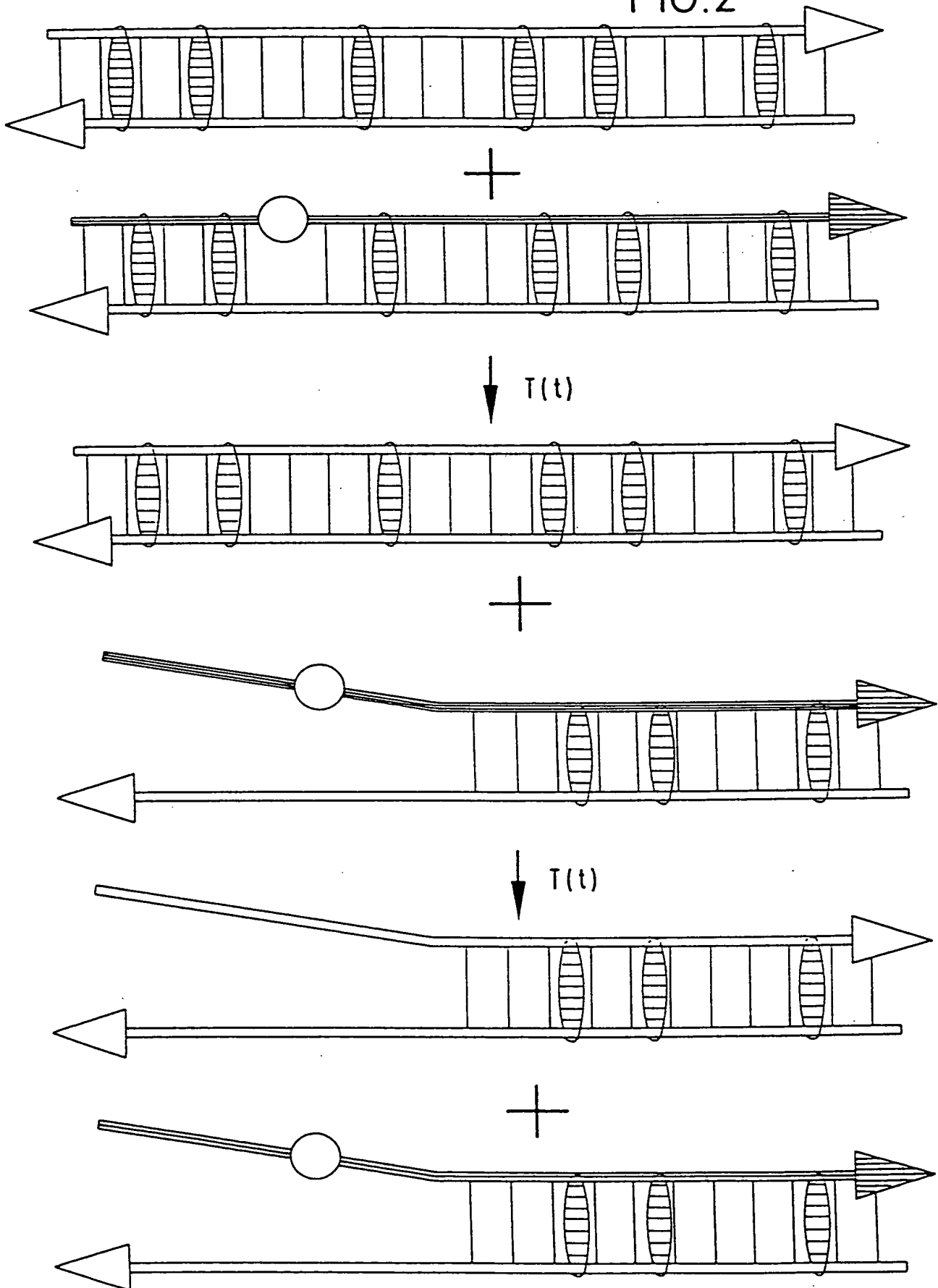
OPPORTUNITY TO ARCHIVE,
REPEAT ANALYSES,
DISPOSE WITHOUT
OPENING REACTION CHAMBER

ANALYSIS
PRINTED REPORT

18

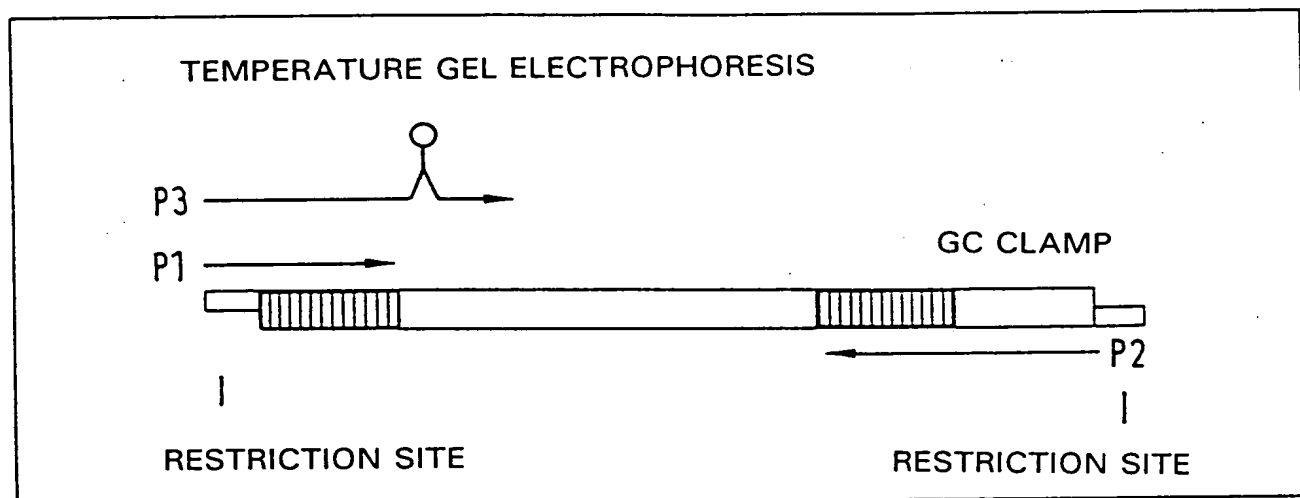
- 2/12 -

FIG. 2

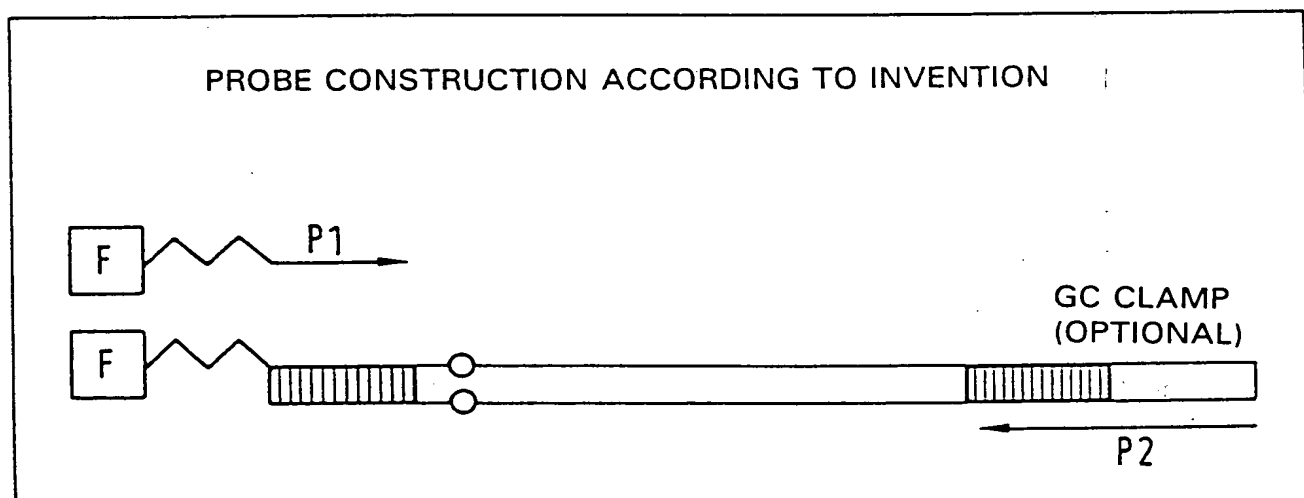


- 3 / 12 -

FIG. 3



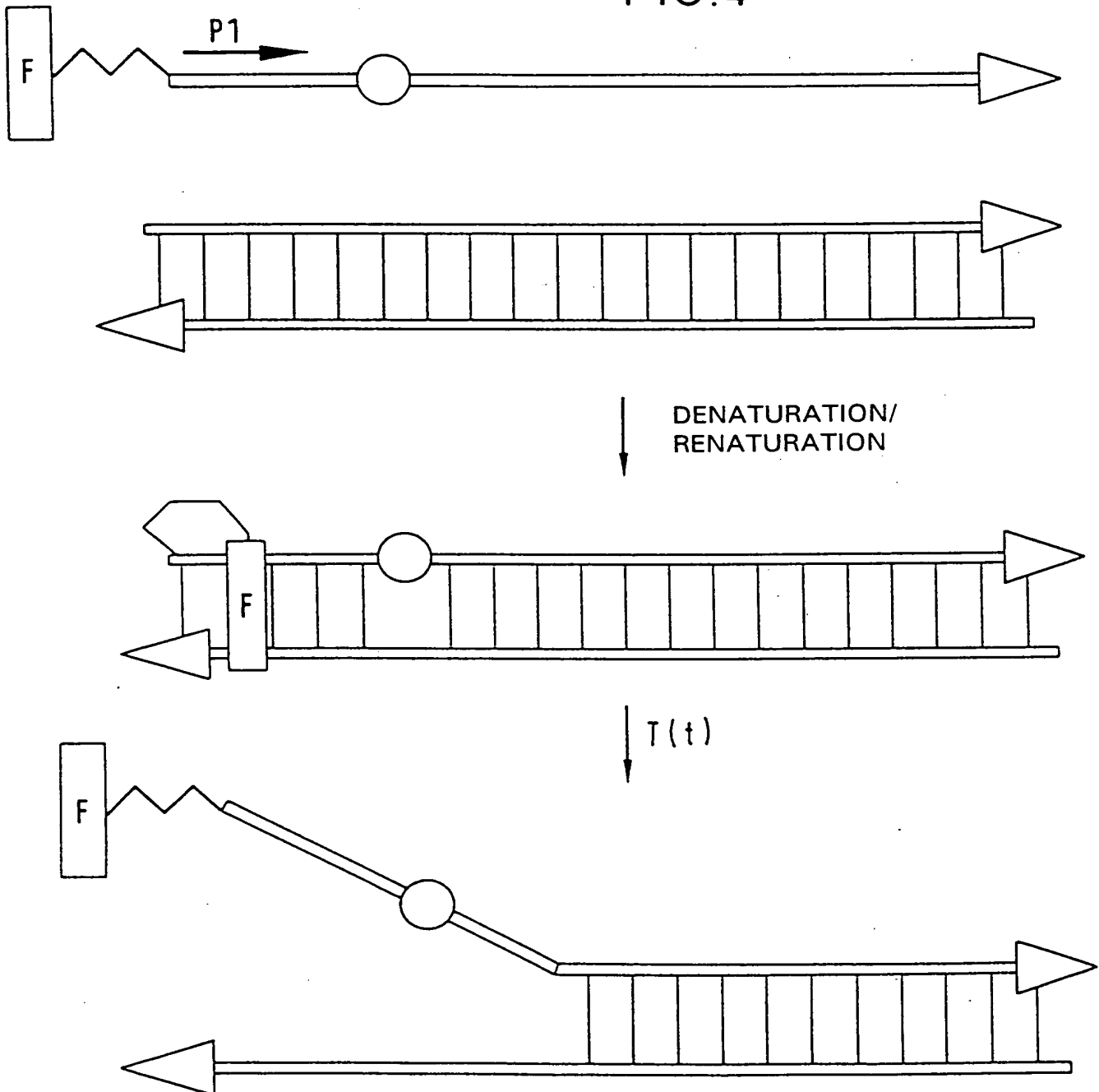
a)



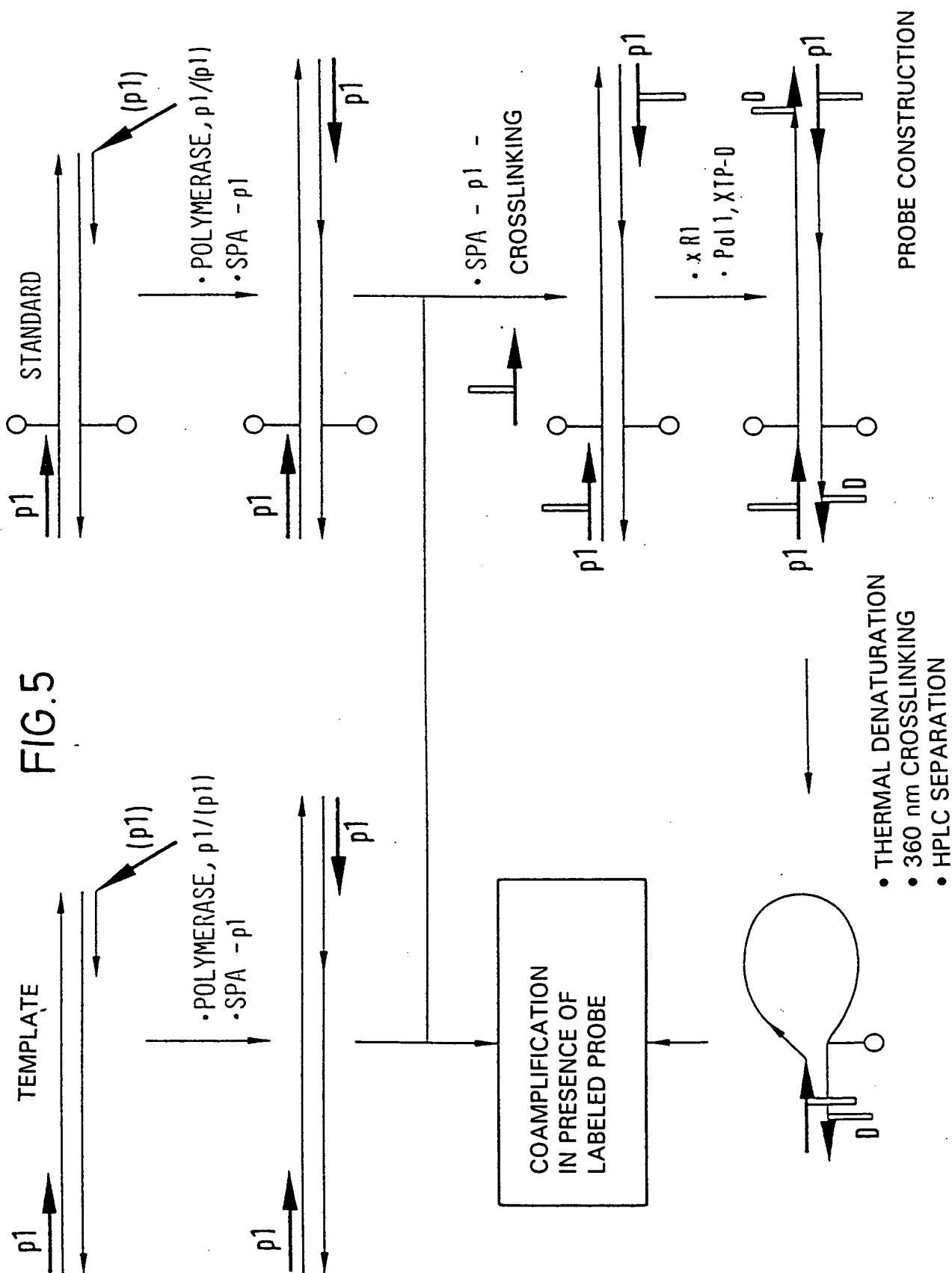
b)

-4/12-

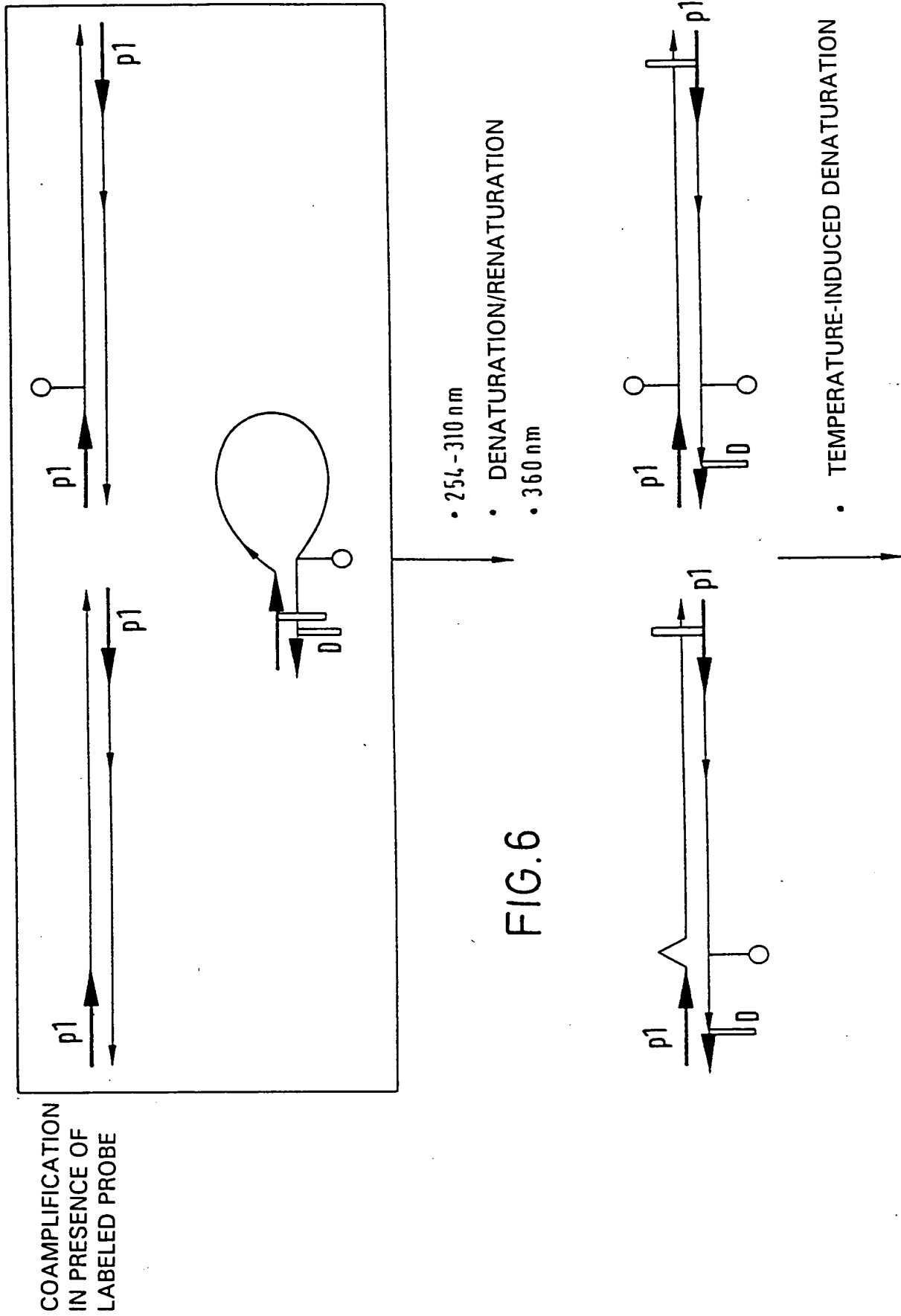
FIG. 4



- 5/12 -



- 6/12 -



-7/12-

FIG. 7

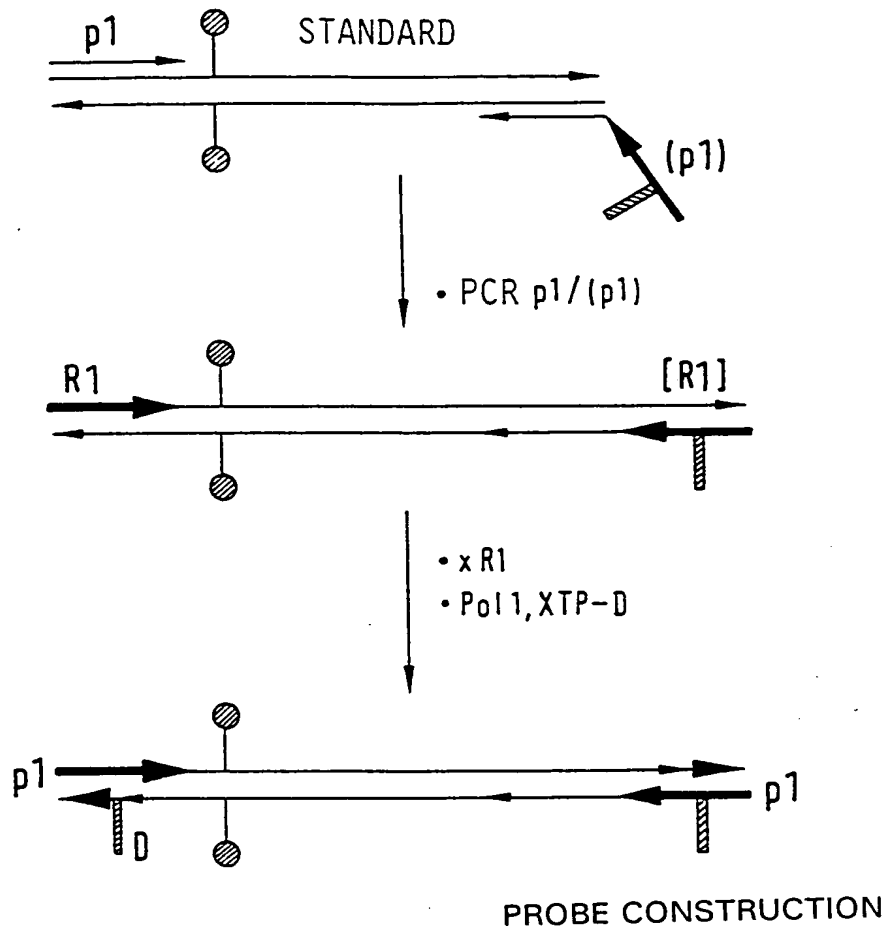
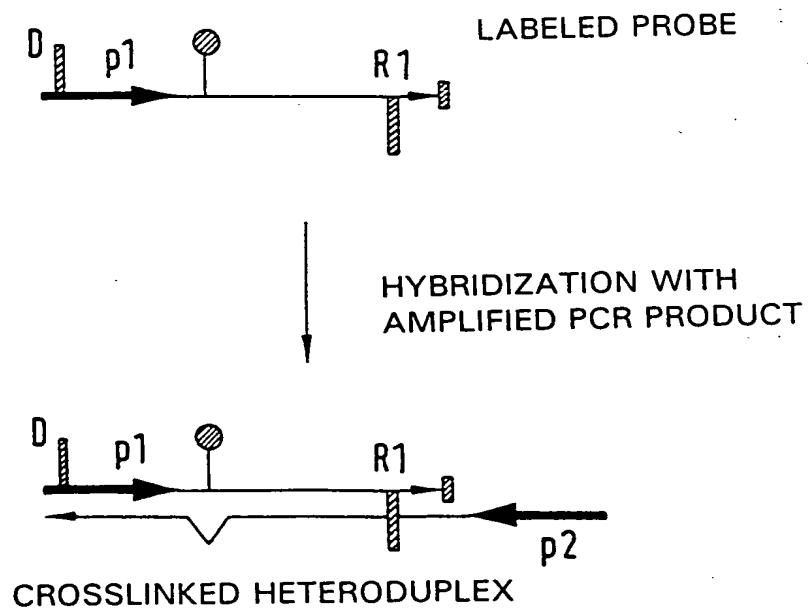
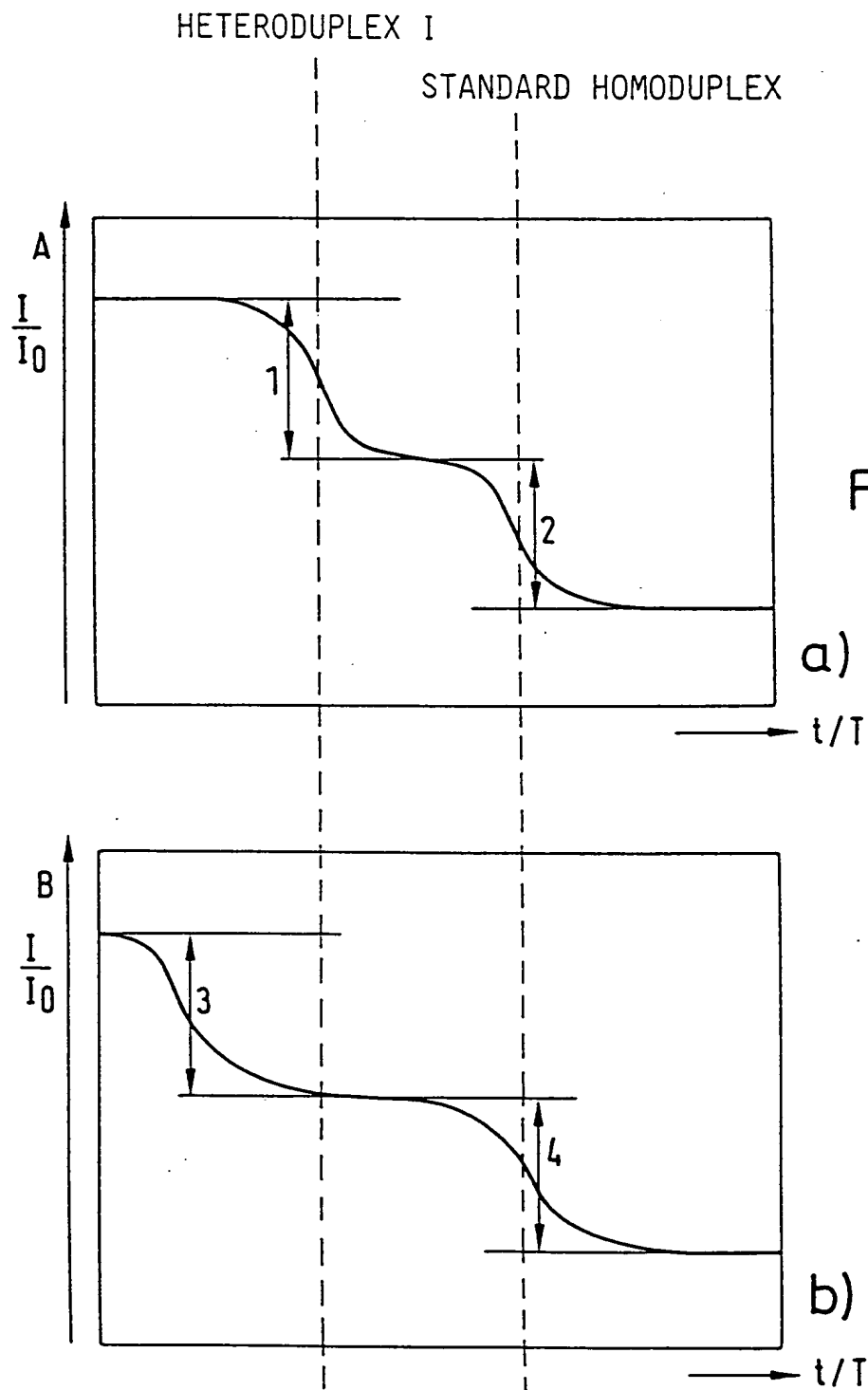


FIG. 8

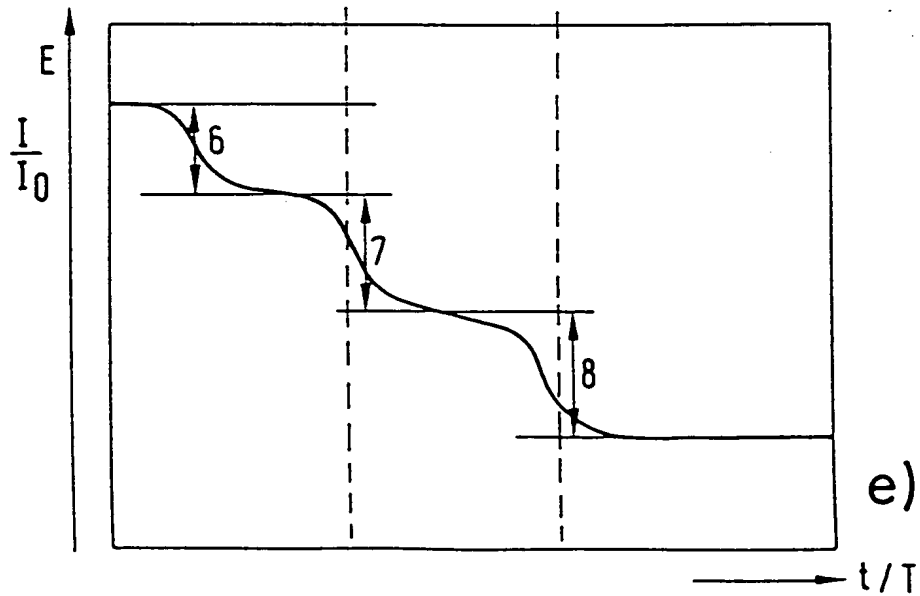
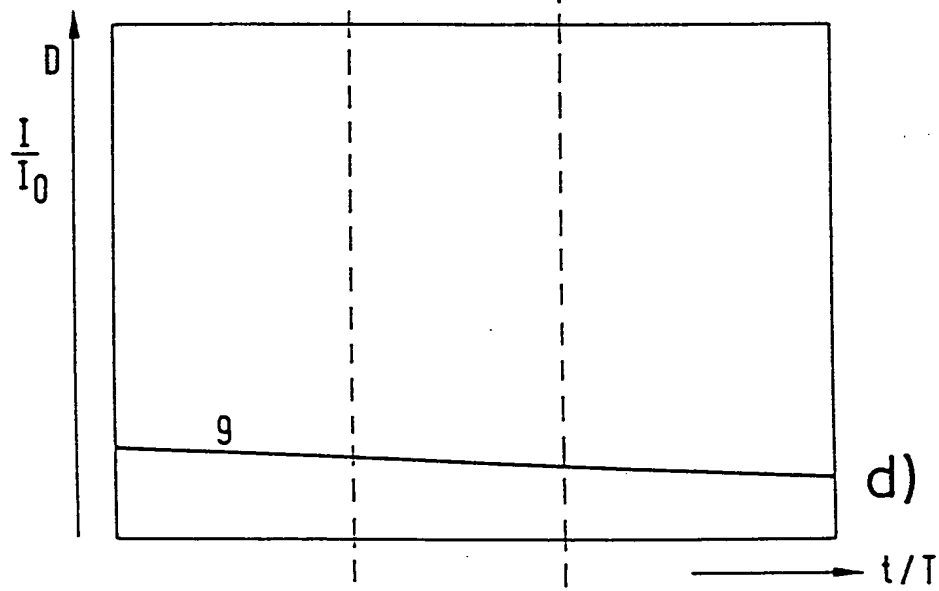
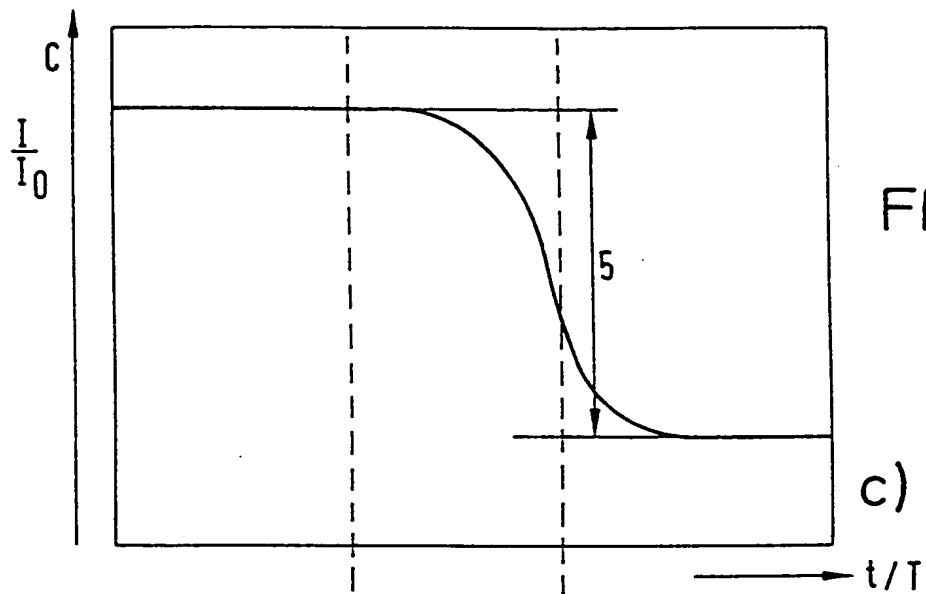


- 8/12 -

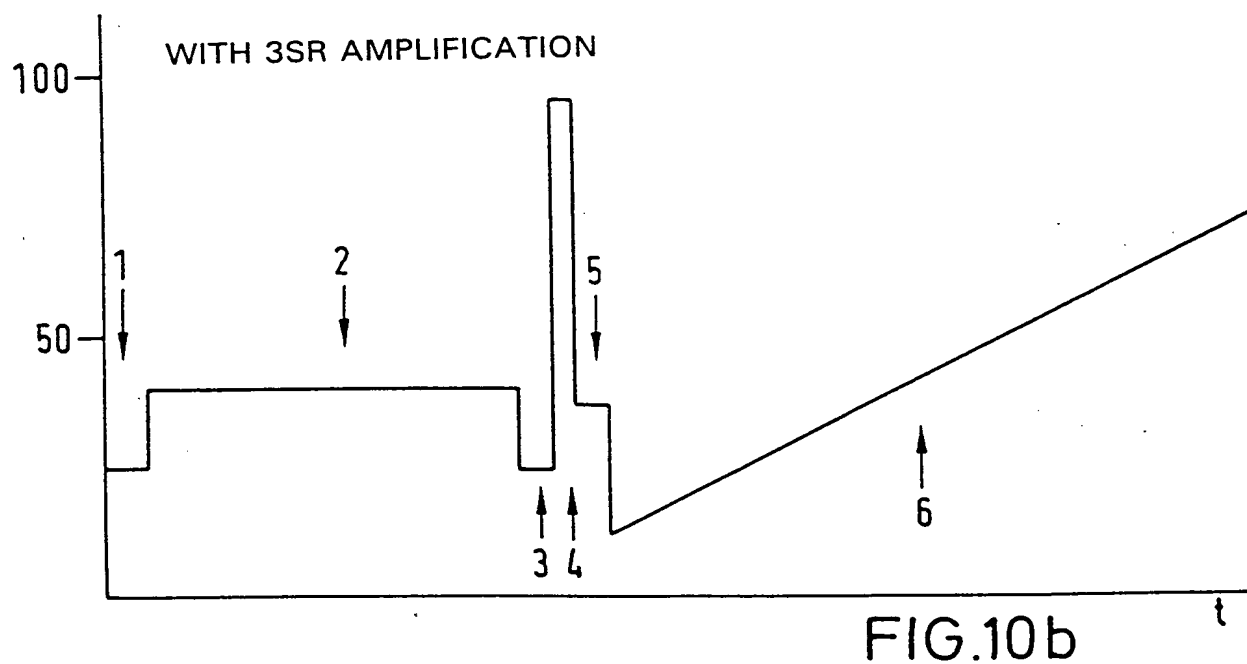
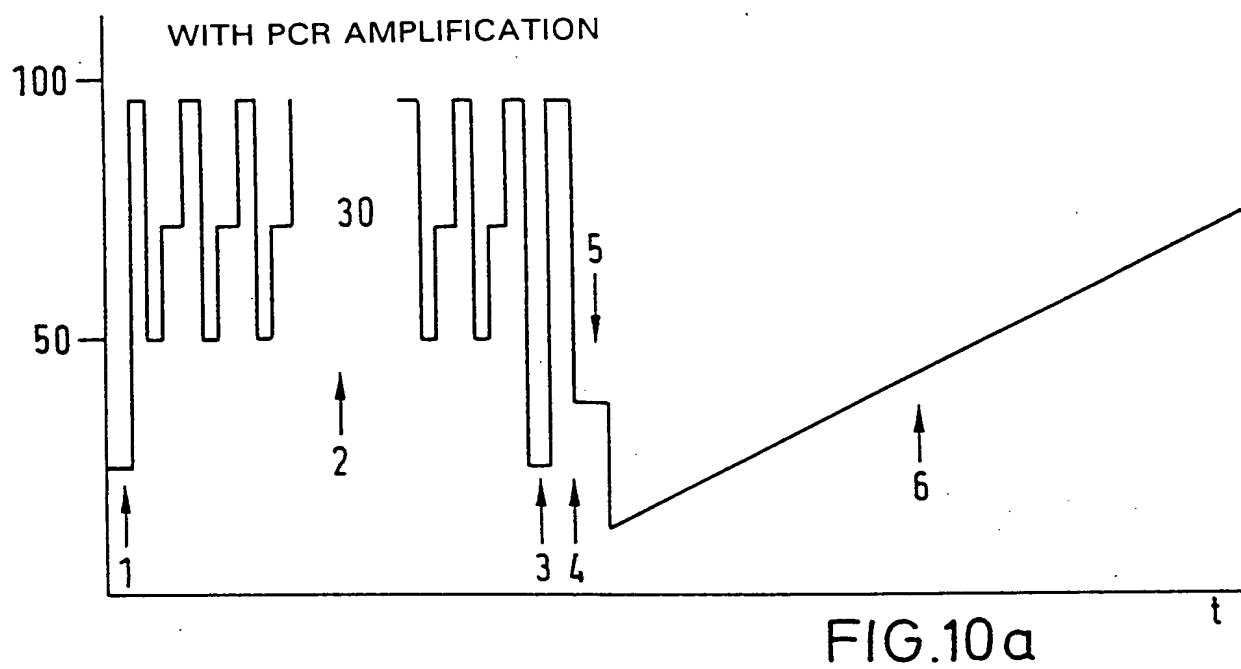
EXPERIMENTAL RESULTS (SCHEMATIC)



-9/12-



-10/12-



-11/12-

ANALYTICS

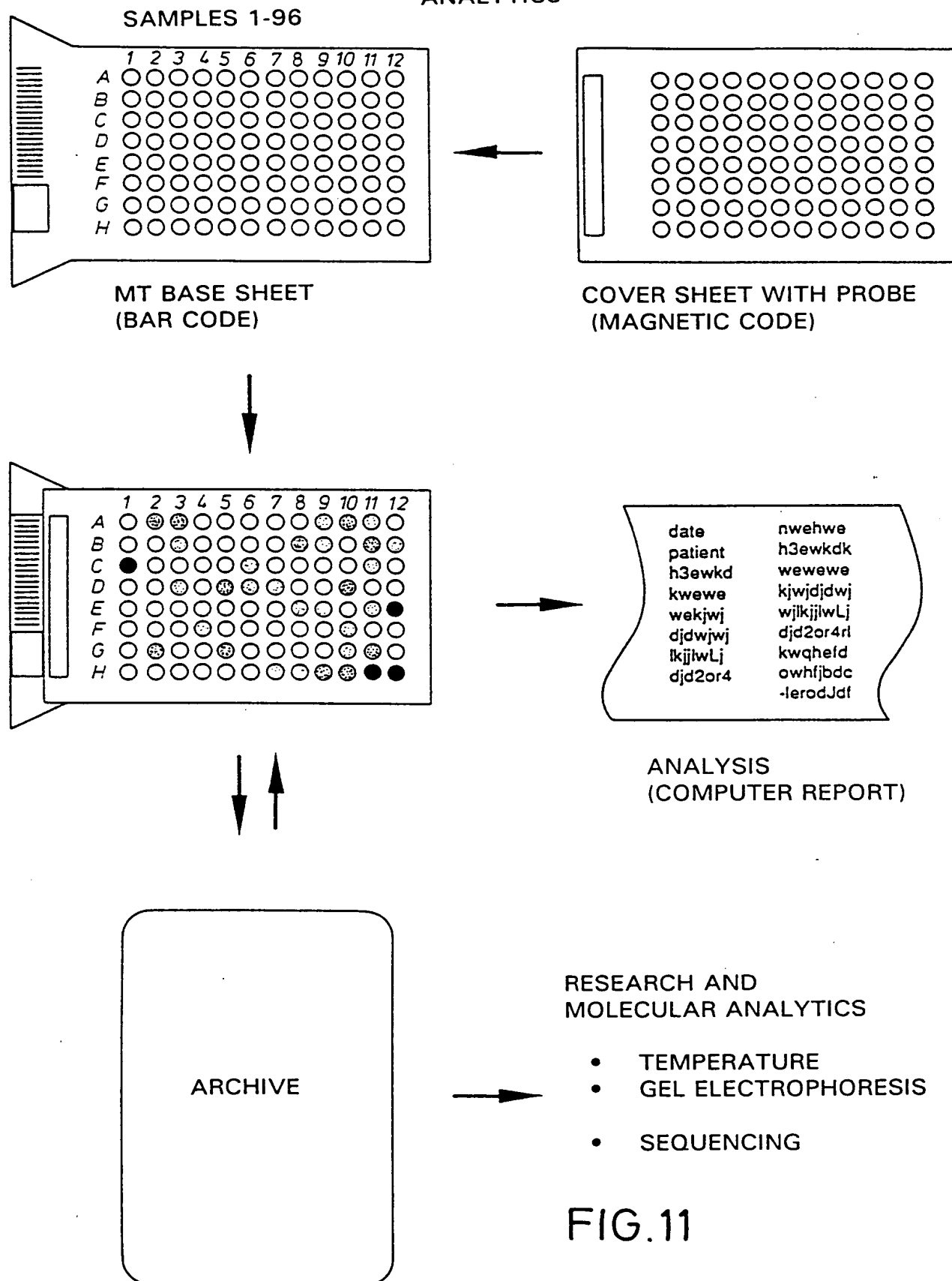
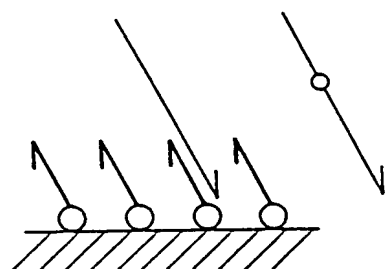


FIG.11

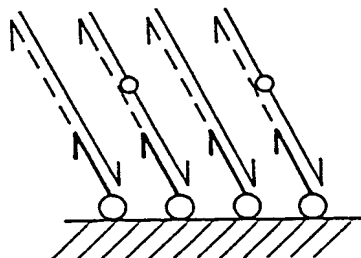
-12/12-

DILUTION ASSAY

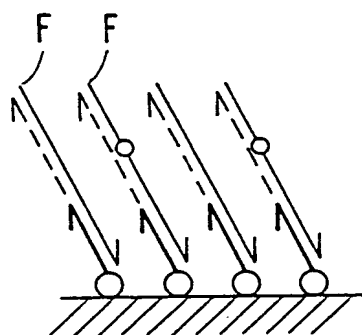
FIG.12

AMPLIFICATION VIA
SURFACE-BOUND PRIMER P2

AMPLIFICATION



- ADDITION OF PROBE
- HYBRIDIZATION



TEMPERATURE-INDUCED SEQUENTIAL DISSOCIATION
RESULTS IN DILUTION OF SURFACE-BOUND
FLUORESCENT DYES OR THEIR CONCENTRATION
IN SOLUTION